

NSurf 100

NSurf 100 is a highly concentrate single phase NanoEmulsion product designed specifically for high molecular weight organic compounds, natural surfactants, Naphthenates complex polycarboxylic complex and emulsion blockage. **NSurf 100** can be incorporated with organic/inorganic acids, various types of thickening polymer in seawater and saturated brines. **NSurf 100** can be used as wellbore cleaner, spot pipe releaser, cuttings cleaner, rig wash and pipe pickling agent.

NSurf 100 can be used with and without carrier solvent. **NSurf 100** also can be used at higher concentration up to 100%wt active ingredient as supplied. For wellbore cleaning application, turbulent flow of this diluted cleaning solution in the wellbore is needed. The cleaning efficiency of **NSurf 100** typically increases with increasing the temperature. This unique NanoEmulsion cleaning product is less sensitive to pH, salts and ions.

- Biodegradable and environmental friendly.
- BTX-Free, no recognized carcinogens.
- Formulated from 100% renewable natural raw materials.
- Effective at low dosage, as low as 2%.
- Neutral pH.
- Tolerate salt and any kind of ion and tolerate to various types of brines and electrolytes.
- Wide range of effective temperature of 20- 120+ °C.
- Wide range of effective pH 2-12.
- Compatible with various kinds of thickening polymers.

Typical Properties

Properties

Form
Color
pH(neat)
pH(1% in water)
Specific Gravity (25%)
Flash point
Pour point
Viscosity (25°C)

Specification

Liquid
Brown to dark brown, transparent
8.0 – 11.0
6.0 – 8.5
0.85 - 0.95
>53 °C
<1°C
≤35 cP

The product is packed in 200 litre steel drum, or in bulk (20 - 25MT) tankers